

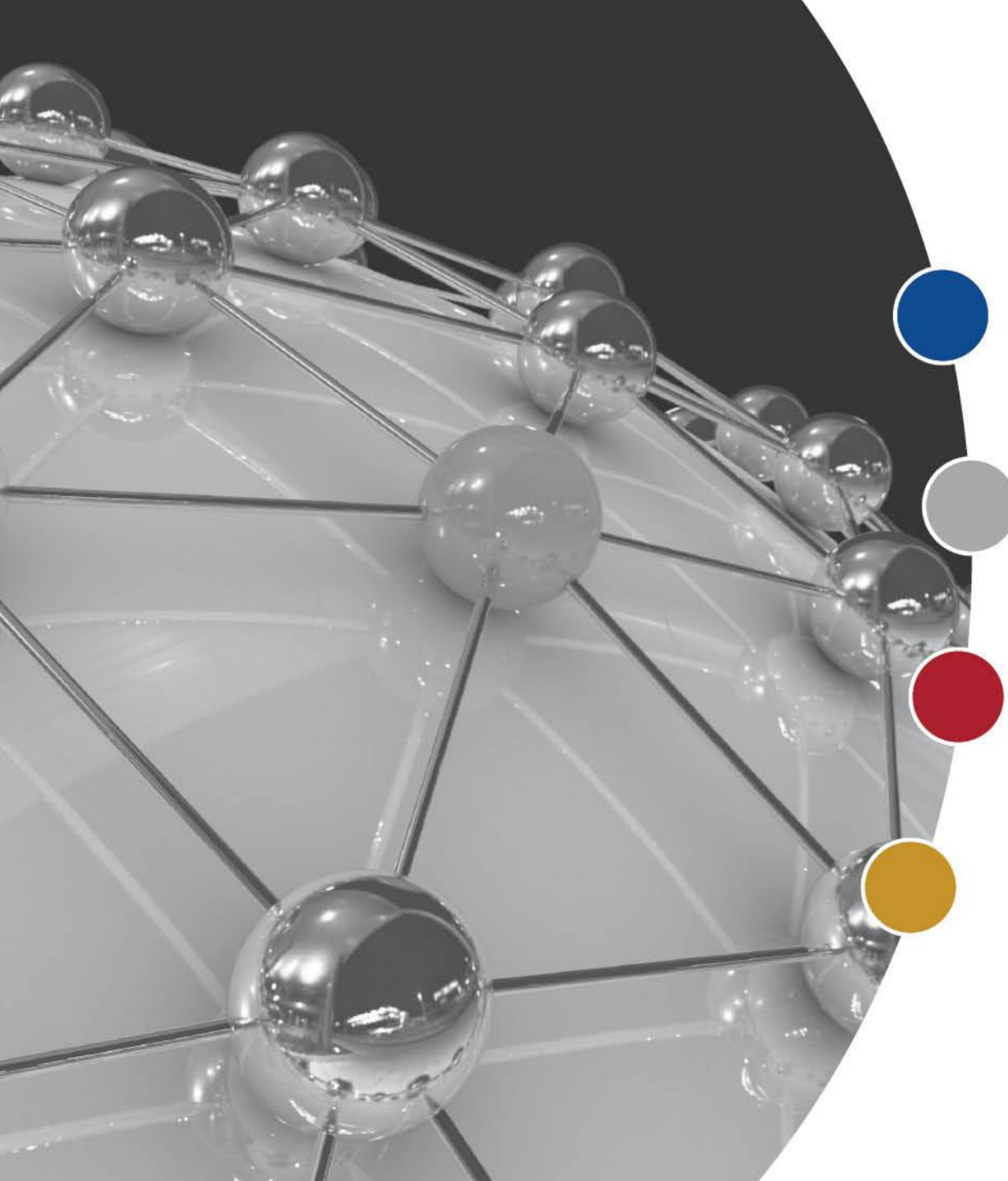


Welcome to ISICS POLICY Webinar



John Benson
ISICSB Outreach Committee Chairman





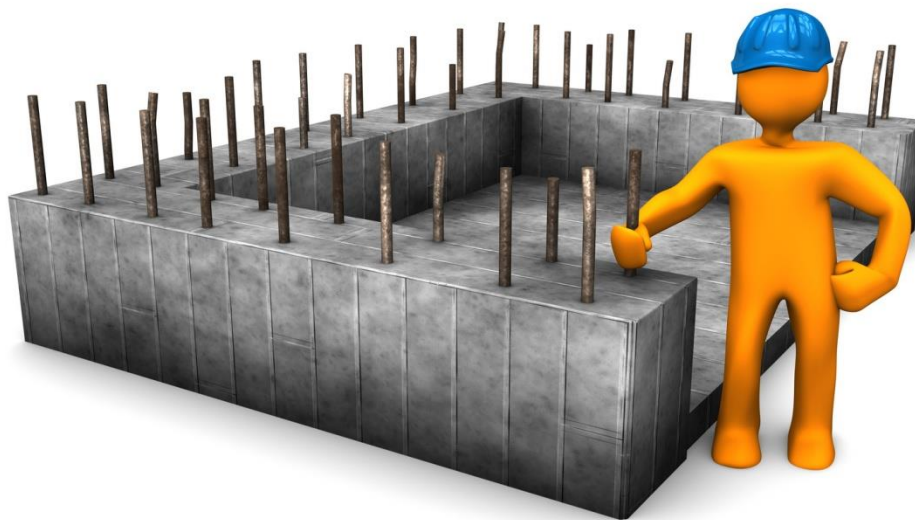
Craig Allen

Iowa Statewide Interoperability Coordinator

What is **ISICS**

Iowa Statewide Interoperable
Communications System





ISICS is a foundational public safety communications platform currently under construction



ISICS Goals

- Statewide platform for operability and interoperability
 - Day to day usage
 - Establishes multiple statewide interoperability channels for small to larger scale operations
- Operate in 700Mhz public safety spectrum
 - Dedicated spectrum
- Open source, open standard, P25 Compliant
 - Non-proprietary solution allows user to select radio vendor
- Statewide 95% mobile coverage
 - Portable coverage can be increased based on local need



ISICS Operation

- Vendor to provide platform selected via the RFP process
 - Motorola
- Access to system will be granted via an MOA between the Iowa Statewide Interoperable Communications Systems Board, DPS, DOT, and the entity
 - Application process and MOA managed by the ISICSB User Group Committee
- User must either reprogram existing 700Mhz P25 capable radios or acquire P25 compatible radios to access the platform
- No fees to access and utilize the platform



The **ISICS** platform Baseline Deployment

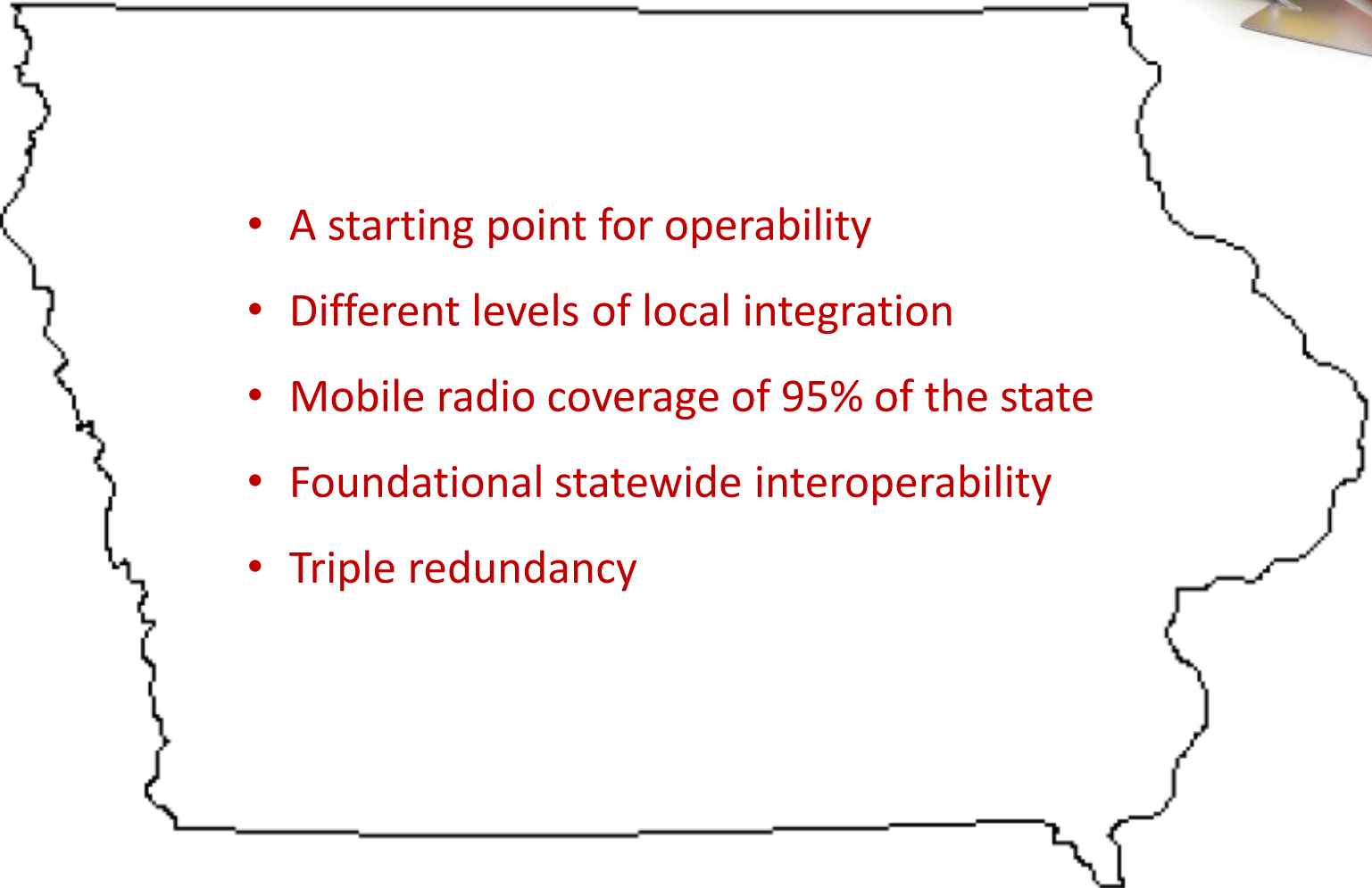


Melvin Mercado
Motorola Project Director



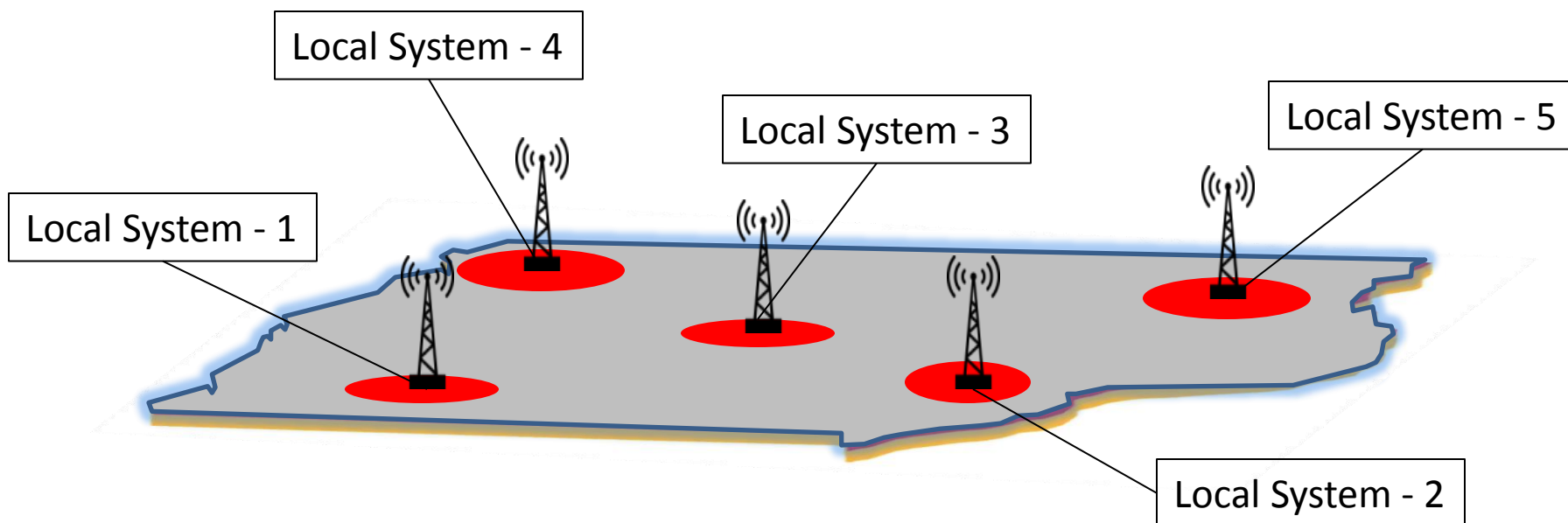


The **ISICS** platform is designed to provide:

- 
- A starting point for operability
 - Different levels of local integration
 - Mobile radio coverage of 95% of the state
 - Foundational statewide interoperability
 - Triple redundancy

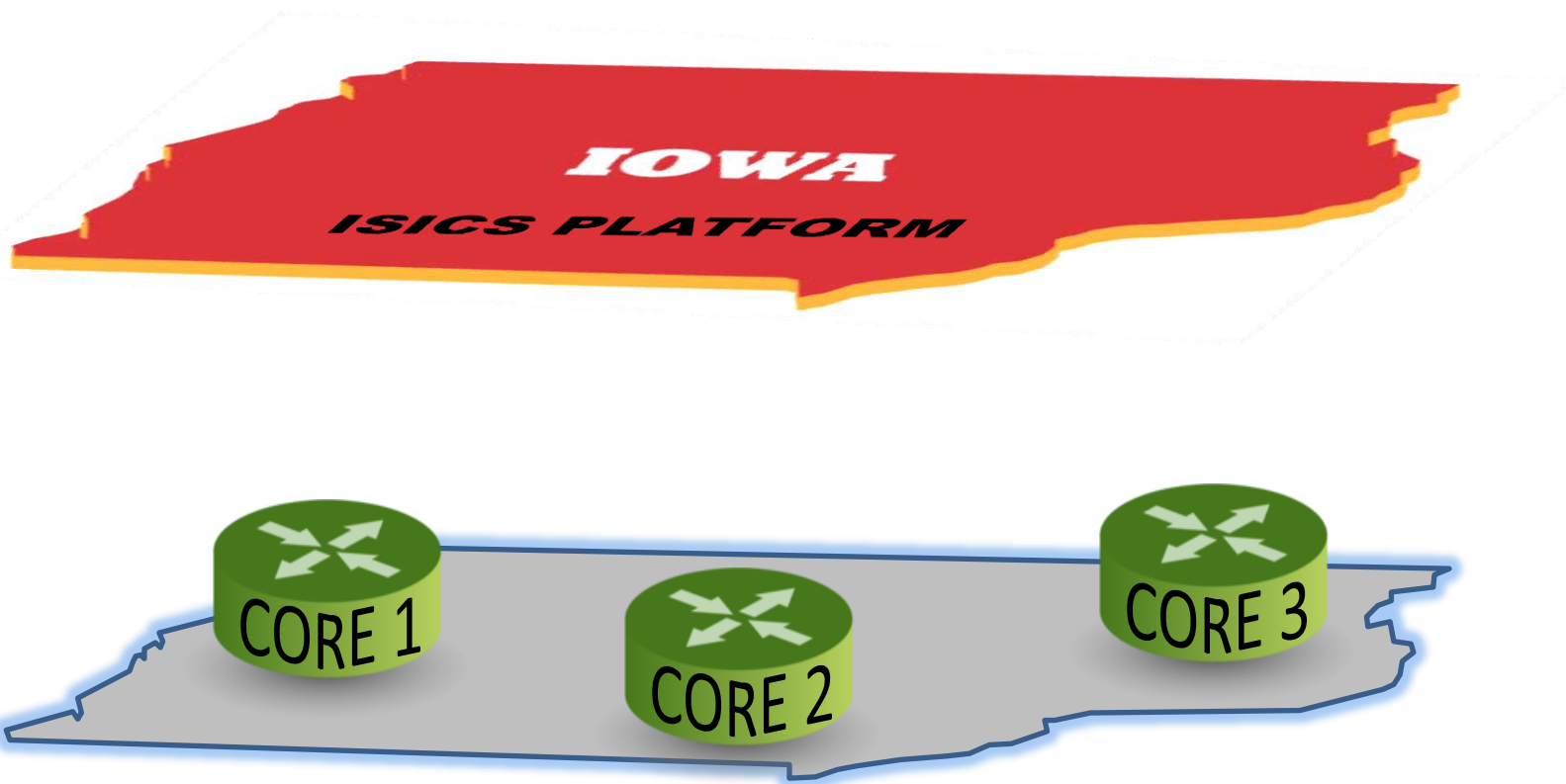


The **ISICS** platform is designed to elevate the state from basic communications “islands” to state of the art, standards based, statewide interoperable communications.



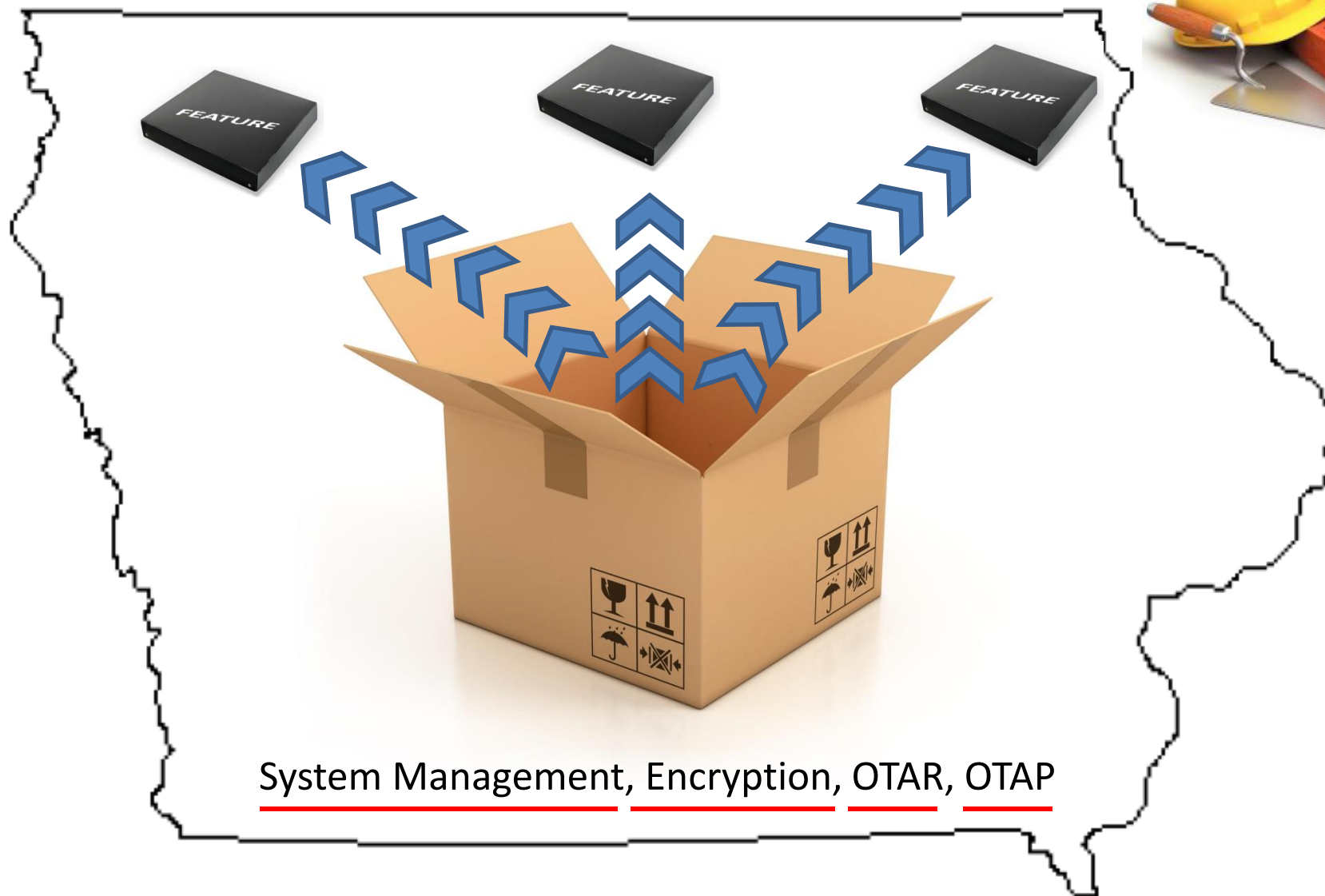


The **ISICS** platform is designed to have triple redundancy through the support of three geo-redundant cores.





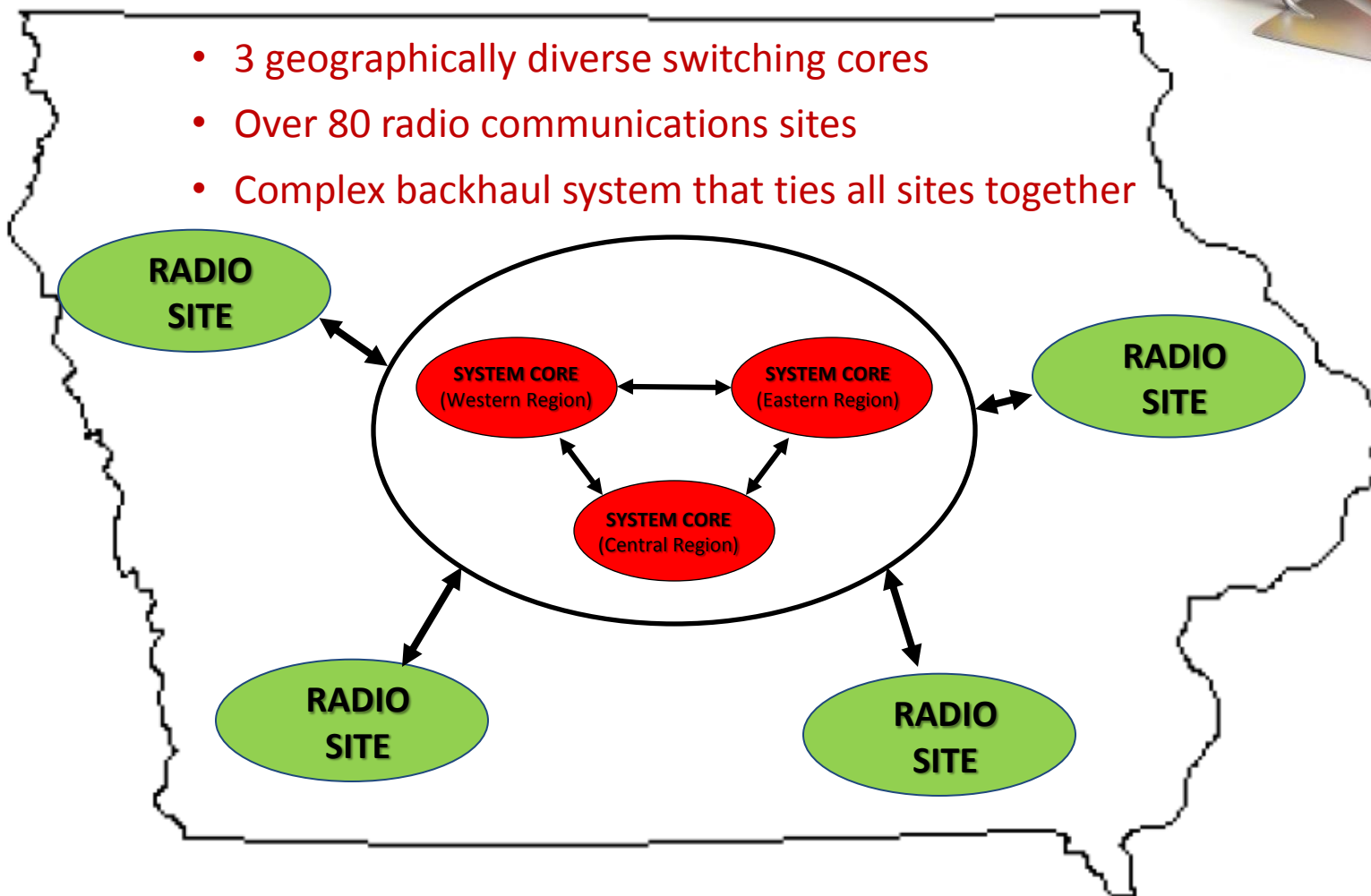
The **ISICS** platform is preloaded with features:



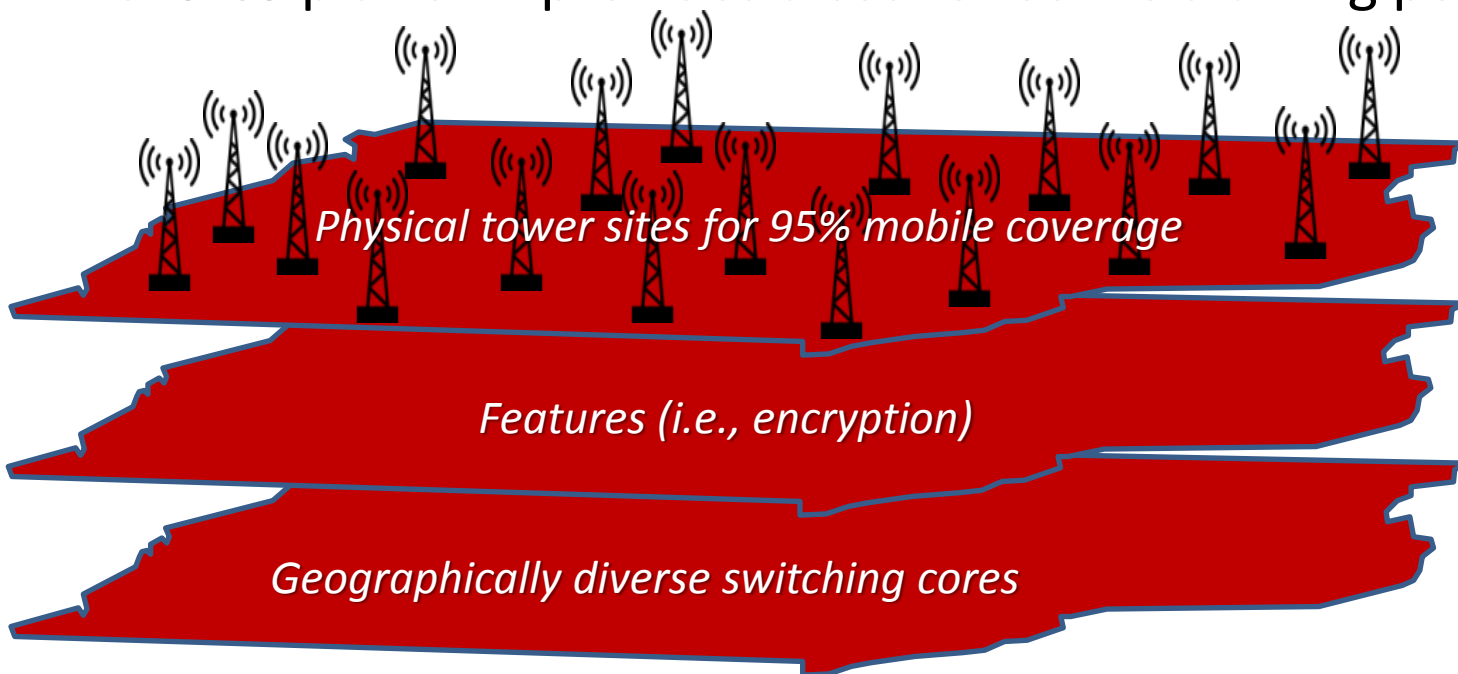


The physical **ISICS** platform consists of:

- 3 geographically diverse switching cores
- Over 80 radio communications sites
- Complex backhaul system that ties all sites together



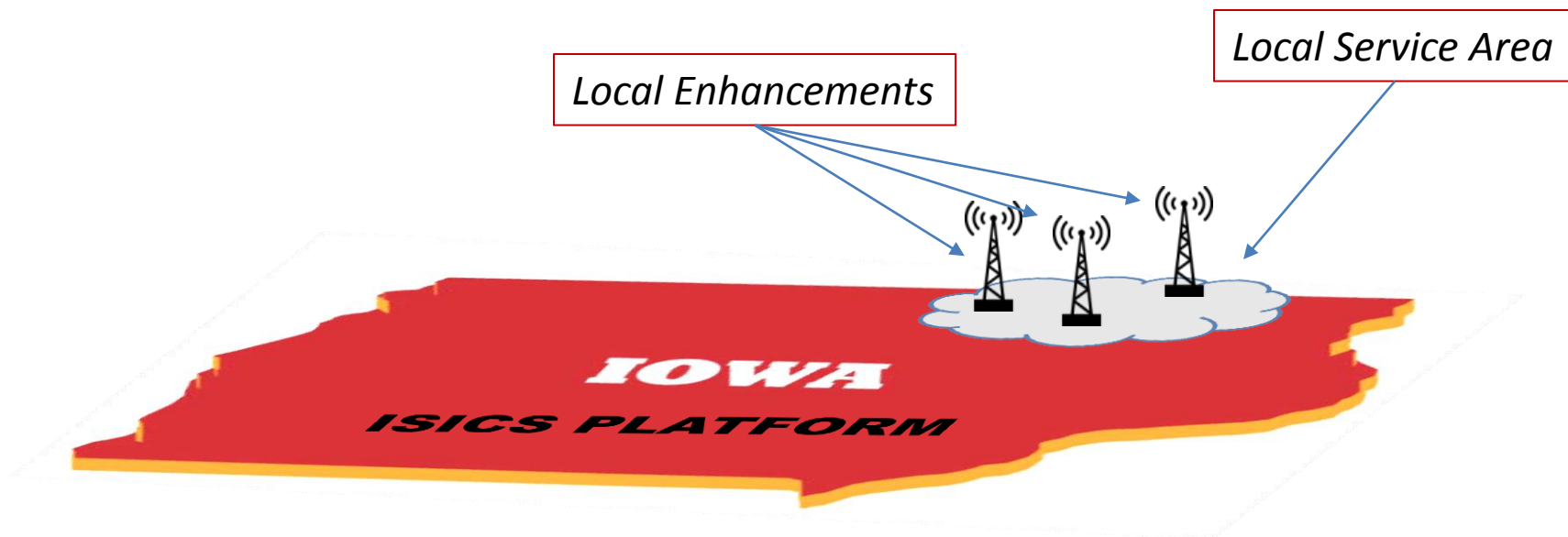
The **ISICS** platform provides a cost effective starting point.



The **ISICS** platform provides a cost effective starting point.

The **ISICS** platform provides expandability to support local user/agency needs.

- Add more tower sites
- Add channels to existing sites
- Combination based on specific needs

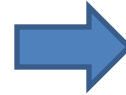




Different levels of local integration



- Level 1 – *Very basic needs*
 - Small number of users to be added
 - Current baseline coverage is acceptable

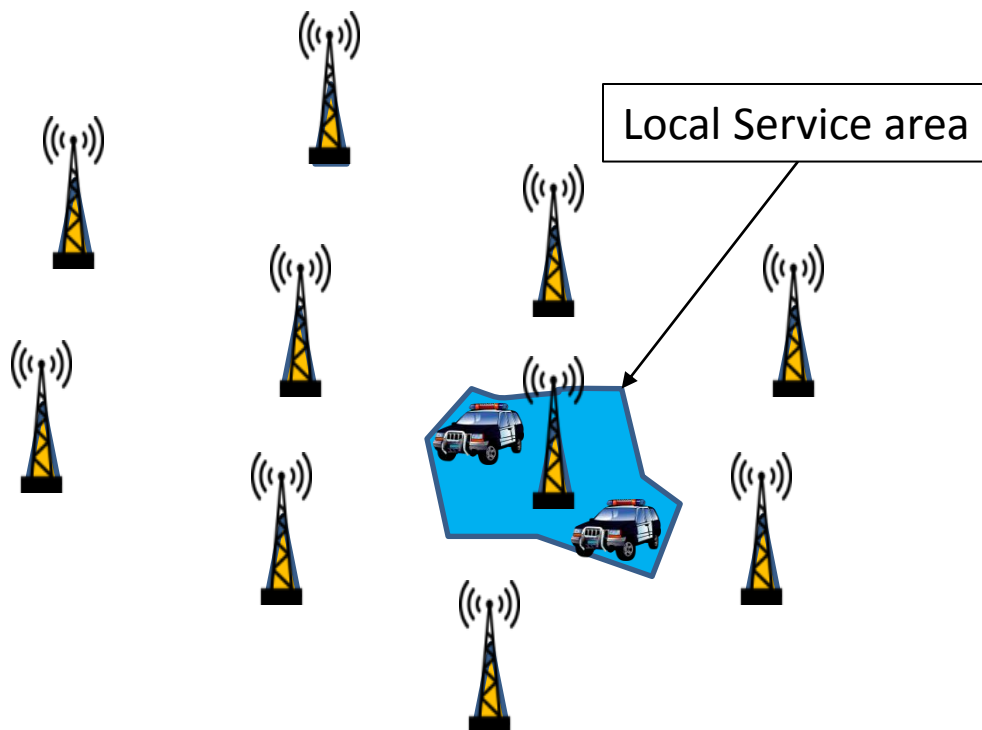


*No modifications to
infrastructure*

Levels of Integration



Level - 1

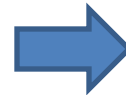


- No significant loading on site resources
- Acquire subscriber radios
- Add radios to system database and enable access to the platform

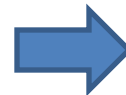
Different levels of local integration



- Level 1 – *Very basic needs*
 - Small number of users to be added
 - Current baseline coverage is acceptable
- Level 2 – *Basic needs*
 - Larger number of users to be added
 - Current baseline coverage is acceptable



No modifications to infrastructure

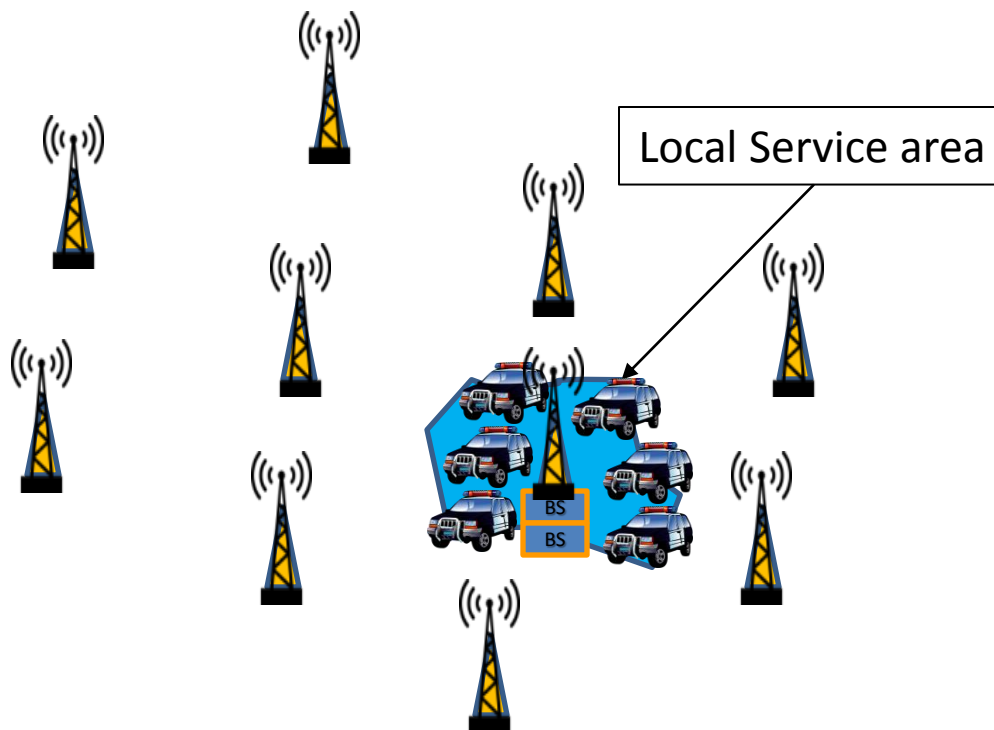


May need to add channels to infrastructure

Levels of Integration



Level - 2



- Loading expected on site due to larger user count
- Add channels to the site
- Acquire subscriber radios
- Add radios to system database and enable access to the platform

Different levels of local integration



- Level 1 – *Very basic needs*

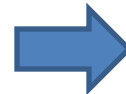
- Small number of users to be added
- Current baseline coverage is acceptable



No modifications to infrastructure

- Level 2 – *Basic needs*

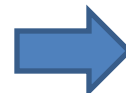
- Larger number of users to be added
- Current baseline coverage is acceptable



May need to add channels to infrastructure

- Level 3 – *More complex needs*

- Small or Larger number of users to be added
- Current baseline coverage is not acceptable

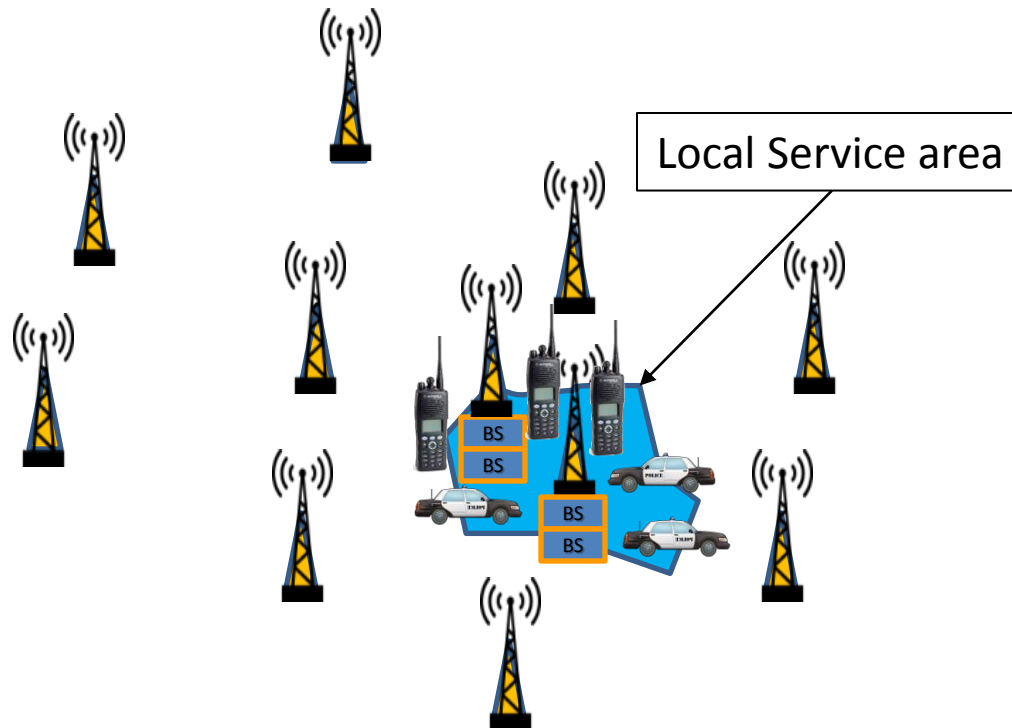


- *May need to add channels to infrastructure*
- *Must add Sites*

Levels of Integration



Level - 3



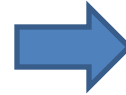
- Loading expected on site due to larger user count
- Add channels to the existing site
- Add another site to satisfy coverage needs
- Acquire subscriber radios
- Add radios to system database and enable access to the platform

Different levels of local integration



- Level 1 – *Very basic needs*

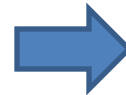
- Small number of users to be added
- Current baseline coverage is acceptable



No modifications to infrastructure

- Level 2 – *Basic needs*

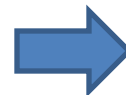
- Larger number of users to be added
- Current baseline coverage is acceptable



May need to add channels to infrastructure

- Level 3 – *More complex needs*

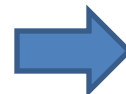
- Small or Larger number of users to be added
- Current baseline coverage is not acceptable



- *May need to add channels to infrastructure*
- *Must add Sites*

- Level 4 – *Very complex needs*

- Small or Larger number of users to be added
- Current baseline coverage is not acceptable
- Complex interactions with neighboring sites

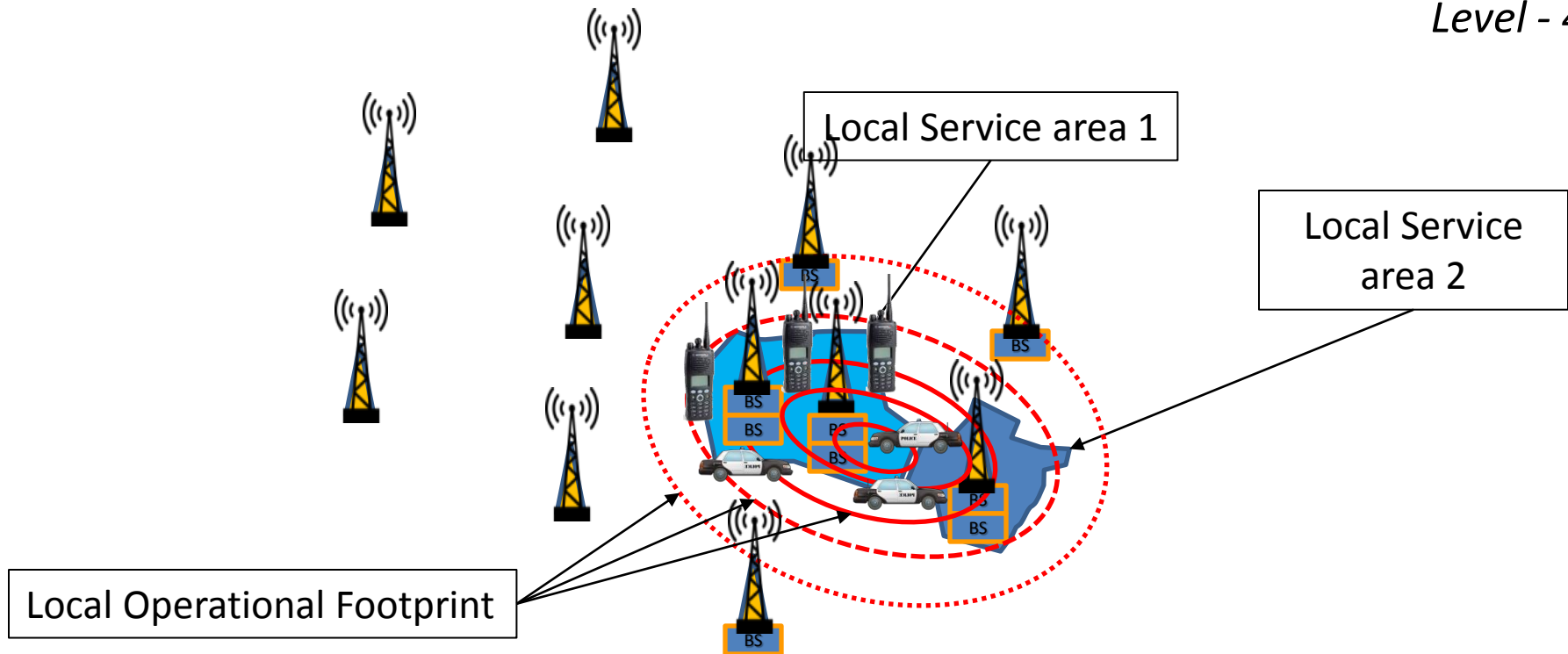


- *May need to add channels to infrastructure*
- *Must add Sites*
- *May need to add channels to adjacent sites*

Levels of Integration



Level - 4



- Loading expected on site due to larger user count
- Add channels to the existing site
- Add another site to satisfy coverage needs
- May need to add channels to adjacent sites due to complex operational needs
- Acquire subscriber radios
- Add radios to system database and enable access to the platform

Different levels of local integration



- Level 1 – *Very basic needs*

- Small number of users to be added
- Current baseline coverage is acceptable



No modifications to infrastructure

- Level 2 – *Basic needs*

- Larger number of users to be added
- Current baseline coverage is acceptable



May need to add channels to infrastructure

- Level 3 – *More complex needs*

- Small or Larger number of users to be added
- Current baseline coverage is not acceptable



- *May need to add channels to infrastructure*
- *Must add Sites*

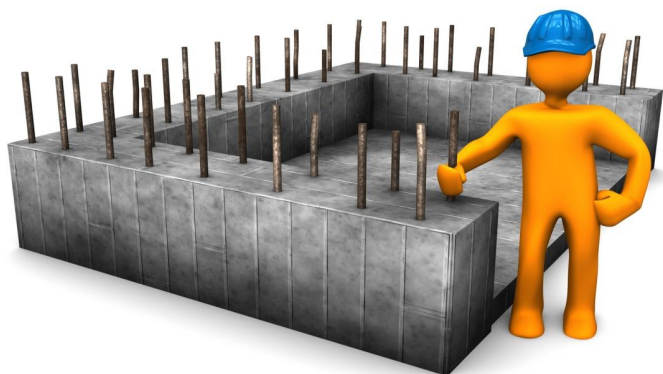
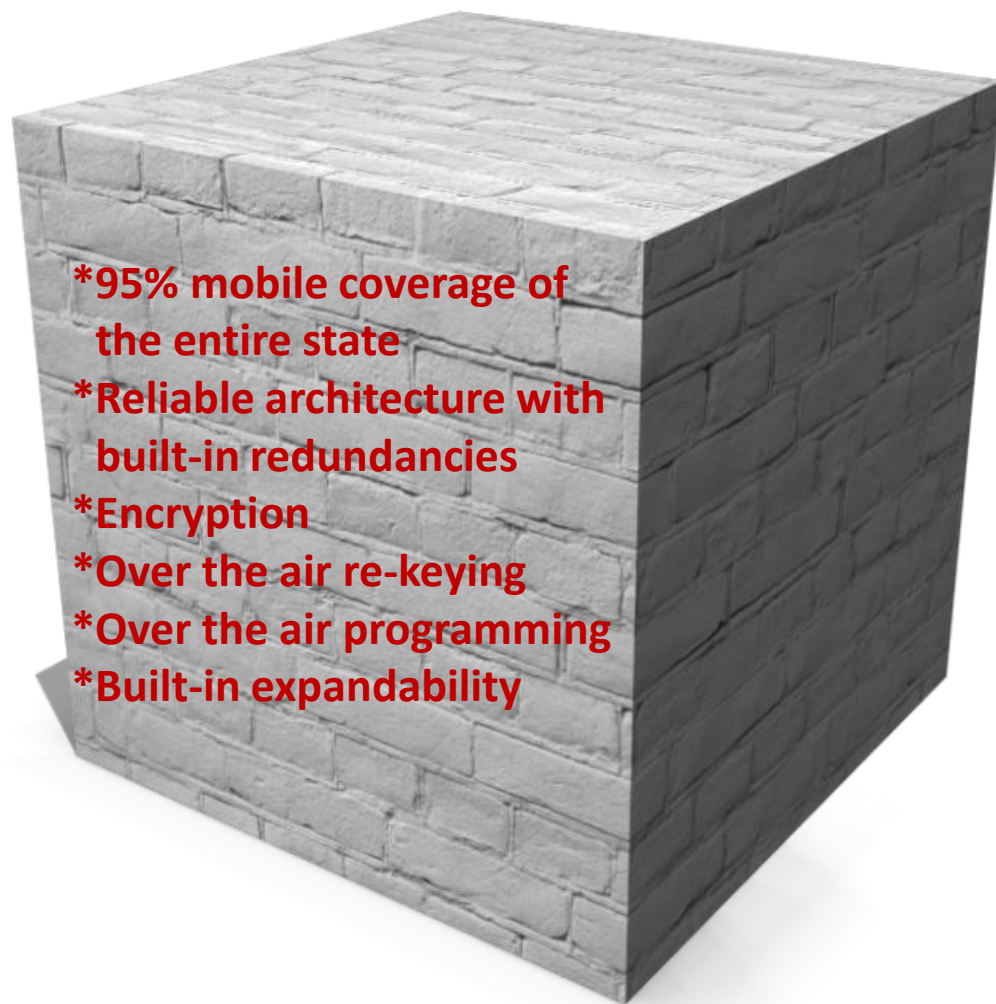
- Level 4 – *Very complex needs*

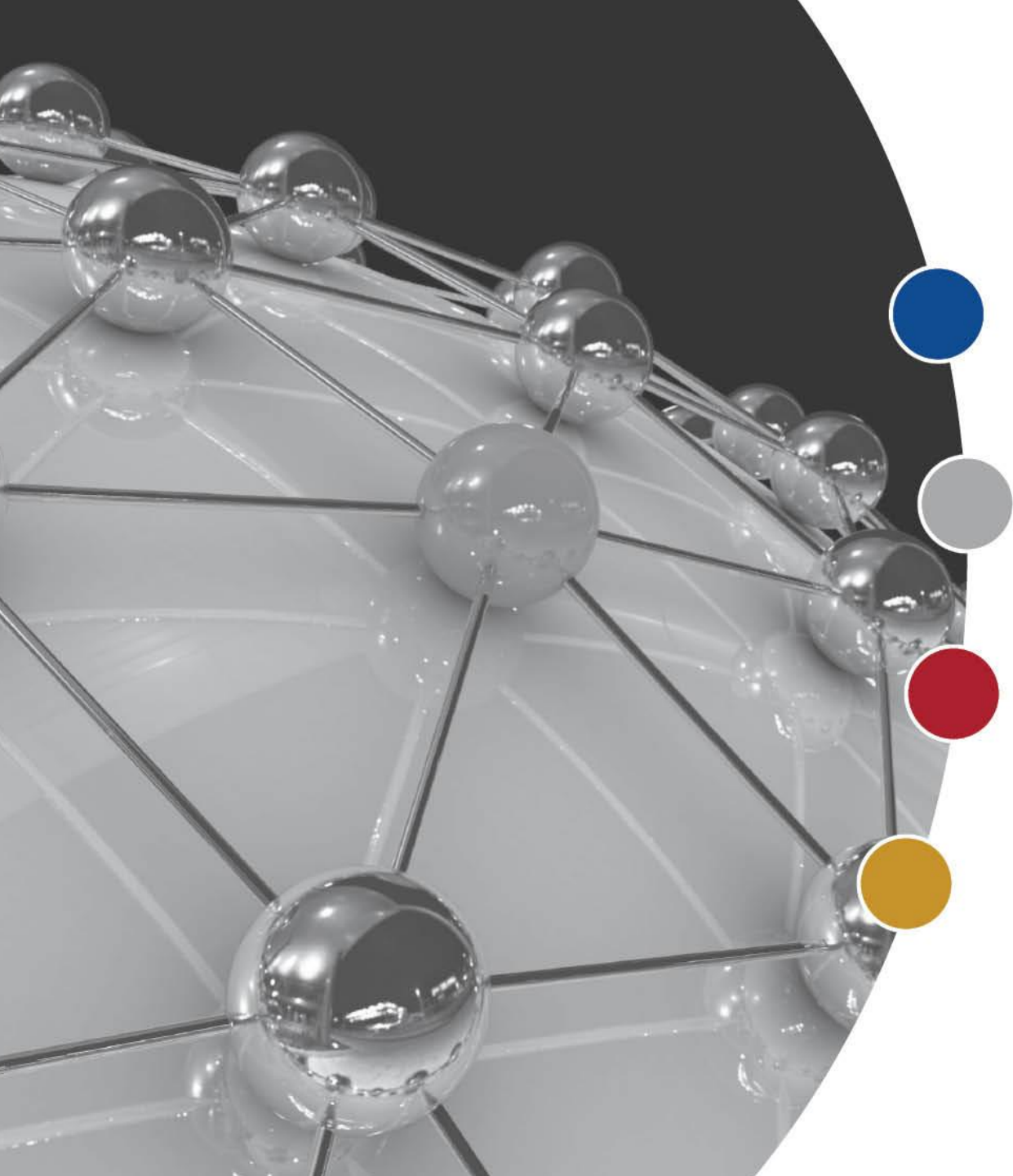
- Small or Larger number of users to be added
- Current baseline coverage is not acceptable
- Complex interactions with neighboring sites



- *May need to add channels to infrastructure*
- *Must add Sites*
- *May need to add channels to adjacent sites*

When completed, the **ISICS** foundational public safety communications platform will be a solid baseline for future operability and interoperability throughout the state of Iowa.













How to Join **ISICS**

Iowa Statewide Interoperable
Communications System



How to join ISICS

- 
- 
- 01.** To apply, send a letter of intent addressed to the chair of the Iowa Statewide Interoperable Communications System Board (ISICSB) from a governing body.
- 
- 
- 03.** Upon approval by the user group committee, the application is presented to ISICSB members for final approval.
- 
- 
- 02.** ISICSB chair provides letter of intent to user group committee for review.
- 
- 
- 04.** ISICSB members vote on approving entity to join system based on committee results.

Welcome to ISICS

A welcome letter signed by the ISICSB is sent to the governing body from whom the letter came.

Details of programming radios into the network and technical aspects are then referred to the vendor where the radio was purchased.



User Memorandum of Agreement (MOA)

- Allows user to connect to platform
- Establishes minimum criteria for subscriber units to access platform
- Defines cost elements
 - No User fees for platform access
- Defines duties for User and Administrator
- Agreement is between ISICSB, User, DPS, and DOT

Contacts

- **State Deployment Manager**
Tom Lampe, Chair
Iowa Statewide Interoperable Communications System Board
215 East 7th Street, Suite 340
Des Moines, IA 50319
lampe@dps.state.ia.us
- **Statewide Interoperability Coordinator (SWIC)**
Craig Allen
Iowa Statewide Interoperable Communications System Board
callen@dps.state.ia.us
- **User Group Committee Chair**
Andy Buffington
Member - Iowa Statewide Interoperable Communications System Board
abuffington@winncosheriff.org
- **Motorola Deployment Manager**
Melvin Mercado, Project Director
Melvin.Mercado@motorolasolutions.com



Web Resources

- ISICS Web Site
<https://isicsb.iowa.gov/isics-radio-platform>
- ISICSB Web Site
<https://isicsb.iowa.gov/>
- P25 Standard
<http://www.project25.org/>
- Motorola Website
<https://www.motorolasolutions.com/>

Questions





Thank you for joining ISICS POLICY Webinar

